

Application Number 09/742,625
Responsive to Office Action mailed October 11, 2006

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1-36 (Cancelled)

Claim 37 (Previously presented): A process for the manufacture of polymer coated composite substrate, said process consisting essentially of:

providing a compressible mat, wherein the compressible mat comprises at least one of fibers and particles in a resin binder composition;

applying on a surface of the compressible mat a chemically crosslinkable primer coating composition, wherein the chemically crosslinkable composition forms a chemically crosslinked polymer matrix when, or as, the composition is being applied to the compressible mat;

applying on the crosslinked polymer matrix a top coat composition comprising a thermoplastic or a thermosetting polymer latex composition to form a top coat layer; and

compressing and heating the crosslinked polymer matrix, the top coat layer, and the compressible mat to form the polymer coated composite substrate.

Claim 38 (Original): The process of claim 37 wherein the compressible mat further comprises a sheet of paper which is glued to the surface of the mat.

Claim 39 (Previously presented): The process of claim 38 wherein the crosslinked polymer matrix is formed on the paper.

Claim 40 (Cancelled)

Claim 41 (Previously presented): The process of claim 37 wherein the chemically crosslinkable composition is ionically crosslinked.

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Claim 42 (Previously presented): The process of claim 37 wherein the chemically crosslinkable composition is covalently crosslinked.

Claim 43 (Previously presented): The process of claim 41 wherein the chemically crosslinkable composition comprises a thermosetting polymer.

Claim 44-49 (Cancelled)

Claim 50 (Currently Amended): The process of claim 37, ~~further comprising applying~~ wherein a release coat composition is applied on the top coat composition.

Claim 51 (Previously presented): The process of claim 37, wherein the chemically crosslinkable composition has a solids content from about 30% to about 80% by weight.

Claim 52 (Previously presented): The process of claim 37, wherein the chemically crosslinkable composition has a solids content from about 20% to about 70% by weight.

Claim 53-66 (Cancelled)